

I. NAME: Michael E. Rugg

II. EDUCATION:

September 1960 - February 1963
February 1967 - June 1968

Pasadena City College,
Pasadena, California.
Associate of Arts degree
in Biology. Included were
courses in marine biology,
inorganic and organic
chemistry, physics,
zoology and geology.

September 1968 - March 1970

Humboldt State University,
Arcata, California.
Bachelor of Science degree
in Fishery Biology.
Included were courses in
dendrology, forest and
range hydrology, snow
hydrology, and independent
studies on the effects of
eutrophication on fish.

III. JOB EXPERIENCE

Associate Water Quality Biologist (June 1975 to present)

Supervise the Water Quality Section in Region III. Region encompasses 15 counties along the California coast from Mendocino to San Luis Obispo including those surrounding San Francisco Bay. Current responsibilities include directing the region's water quality investigations and laboratory operations as well as acting as Department liaison with 4 Regional Water Quality Control Boards on matters affecting fish and wildlife. Activities also commonly include reviewing and preparing comments on EIRs, Corps of Engineers permits, especially those dealing with dredging, county use permit applications and notifications of streambed alterations. Field response and support to Wildlife Protection personnel is a major program element which includes training and technical supervision of WLP pollution officers.

Major projects on which considerable technical expertise and coordination activities were provided include;

Dow Petrochemical, Collinsville facility (1976)
Wickland Oil Company, Selby Coal Terminal (1980-1982)
Chevron U.S.A., Equivalent Protection Study
(1979-present)
Chevron Chemical, Incinerator Blowdown Study
(1979-present)
Mt. View Sanitary District, Marsh Creation Project
(1974-present)

East Bay Municipal Utility District, San Pablo Creek -
Orinda filter Plant Beneficial Use Study (1981-present)
Corps of Engineers Dredge Disposal Study (1971-1976)
East Marin-Southern Sonoma County Wastewater Management
Plan (1980-1)
Sonoma Valley Sanitary District Wastewater Management
Plan (1980-2)
South Bay Dischargers Authority Comprehensive EIR/EIS
(1974-present)
San Jose Sewage Treatment Upset and Impact Assessment
(1979-present)
Sante Fe Land Improvement - Pt. Isabel shellfish
contamination (1982-present)
City of Richmond - Marsh mitigation and Hazardous Waste
Disposal (1982-1983)
South Bay Dischargers Botulism Investigation
(1982-present)

Oil or Hazardous Material Spill Investigations, assessment
and coordinated legal resolutions were completed:

Bethlehem Shipyard (1978-80)	Charles Krug Winery (1980)
Tosco Oil Corps. (1981)	United River Lines (1979)
Yuku Maru (1981)	Union Oil-Madanna Const (1982)
Philo Lumber Co. (1983)	Hunt & Behrens (1981)
City of Half Moon Bay (1984)	

Associate Water Quality Biologist (March 1975 - June 1975)

Assigned on a temporary basis to Division of Forestry Timber
Harvest Review Team to review timber harvest plans submitted
by private operators and identify and potential effects on
fish and wildlife. The committee approach was undertaken as
one means to provide a functional equivalent of an EIR as
provided by the California Environmental Quality Act (1970).

Associate Water Quality Biologist (January 1973 - March 1975)

Same duties as June 1975 to present. In addition, member of
the Marin and Sonoma Counties Dairy Waste Advisory Committees.

Assistant Water Quality Biologist (August 1971 - January 1973)

Constructed and operated the region's water quality laboratory
in support of Wildlife Protection personnel. Also conducted
field investigations on the effects of several industrial
discharges on fish and aquatic life. Participated in a study
of striped bass mortality within the Carquinez Strait-Suisun
Bay area.

Junior Aquatic Biologist (April 1970 - August 1971)

Investigated the effects of an oil spill on intertidal life of
Angel Island, California.

TABLE 1

Reports prepared by or under Mike Rugg's Supervision

Pescadero Marsh Water Quality Monitoring Program, San Mateo County

Effects of 20 January 1981 Crude Oil Spill on Benthos in San Gregorio Creek

Biological Effects of Formaldehyde Spill into Doolan Creek, Ukiah, Mendocino County, March 1982

Monetary Value of Resources Lost Due to Gas-Oil Spill into San Luis Obispo Creek

Biological Effects of Gas-Oil Spill into San Luis Obispo Creek, San Luis Obispo County, 6 April 1981

Results of Benthic Invertebrate Sampling, Maacama Creek Siltation/Oil Spill investigation, Sonoma County, August 31, 1982

Water Quality and In Situ Bioassay Results from Louisiana Pacific-Fort Bragg Sawmill Pollution Investigation

Results of Benthic Invertebrate and Fish Population Sampling, Coleman Creek, Mendocino County, August and September 1982

Monetary Value of Resources Lost Due to Formaldehyde Spill, Doolan Creek, Mendocino County, March 25, 1982

Monetary Values of Resources Lost Due to Draining of Los Padres Dam, October 1981

Monetary Value of Resources Lost Due to Sediment Release from Los Padres Dam, October 1981

Water Quality Monitoring Program, Warm Springs Hatchery

Potential for Resource Damage from Uncontrolled Runoff of Stormwater Containing Petroleum Products, October 1984

Water Quality Activities Region 3 1982-84, November 1984